

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: \_\_\_\_\_ Examiner #: \_\_\_\_\_ Date: \_\_\_\_\_  
 An Unit: \_\_\_\_\_ Phone Number 30 \_\_\_\_\_ Serial Number: \_\_\_\_\_  
 Mail Box and Bldg/Room Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

## STAFF USE ONLY

Searcher: Q. Kline - Early  
 Searcher Phone #: 308-4501  
 Searcher Location: Biotech Lab.  
 Date Searcher Picked Up: 8/13/01  
 Date Completed: 8/14/01  
 Searcher Prep & Review Time: \_\_\_\_\_  
 Clerical Prep Time: 3 min  
 Online Time: 2 min

## Type of Search

NA Sequence (#) 1  
 AA Sequence (#) \_\_\_\_\_  
 Structure (#) \_\_\_\_\_  
 Bibliographic \_\_\_\_\_  
 Litigation \_\_\_\_\_  
 Fulltext \_\_\_\_\_  
 Patent Family \_\_\_\_\_  
 Other \_\_\_\_\_

## Vendors and cost where applicable

STN \_\_\_\_\_  
 Dialog \_\_\_\_\_  
 Questel/Orbi: \_\_\_\_\_  
 Dr. Link \_\_\_\_\_  
 Lexis/Nexis \_\_\_\_\_  
 Sequence Systems ABSS03  
 WWW/Internet \_\_\_\_\_  
 Other (specify) \_\_\_\_\_



STIC-Biotech/ChemLib

48803

From: Gansheroff, Lisa  
Sent: Monday, August 13, 2001 10:21 AM  
To: STIC-Biotech/ChemLib  
Subject: sequence search 09/582779

09/582779

Please search the issued patent and pending patent (interference) databases for SEQ ID NO:1.

Thanks!

Lisa Gansheroff  
AU 1636  
11D03  
605-1203

RECEIVED  
AUG 13 2001  
STIC



GenCore version 4.5  
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 13, 2001, 16:08:15 ; Search time 83.11 Seconds  
(without alignments)  
3143.417 Million cell updates/sec

Title: US-09-582-779A-1

Perfect score: 1380

Sequence: 1 ctgcgacacatcattggaag.....aataatgacgttgaattc 1380

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Indexed: 324599 seqs, 94655562 residues 649198

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0  
Maximum DB seq length: 200000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA:\*

- 1: /cgn2\_6/ptodata/2/lna/5A\_COMB.seq:\*
- 2: /cgn2\_6/ptodata/2/lna/5B\_COMB.seq:\*
- 3: /cgn2\_6/ptodata/2/lna/6A\_COMB.seq:\*
- 4: /cgn2\_6/ptodata/2/lna/6B\_COMB.seq:\*
- 5: /cgn2\_6/ptodata/2/lna/PCTUS\_COMB.seq:\*
- 6: /cgn2\_6/ptodata/2/lna/backfilest1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	370.4	26.8	2330	2	US-08-557-128-3
2	357	25.9	5181	3	US-08-801-344-5
3	356	25.8	4164	1	US-08-204-675-1
4	356	25.8	4164	2	US-08-660-754-1
5	356	25.8	4164	2	US-08-796-364-1
6	356	25.8	4164	5	PCT-US95-02520-1
7	356	25.8	4933	1	US-08-204-675-2
8	356	25.8	4933	2	US-08-660-754-2
9	356	25.8	4933	2	US-08-796-364-2
10	356	25.8	4933	5	PCT-US95-02520-2
11	356	25.8	7102	3	US-09-138-024-20
12	356	25.8	7333	3	US-09-138-024-21
13	356	25.8	7633	3	US-09-028-851-1
14	356	25.8	7633	3	US-08-815-520-1
15	356	25.8	7633	4	US-09-773-163-1
16	352.8	25.6	1115	1	US-08-507-455-5
17	349	25.3	1220	6	5204252-1
18	336.4	24.4	906	6	5204252-3
19	289.4	21.0	2688	1	US-08-088-633-3
20	289.4	21.0	2688	1	US-08-245-756-3
21	289.4	21.0	2688	1	US-08-441-750-3
22	289.4	21.0	2688	2	US-08-441-751-3
23	289.4	21.0	2688	5	PCT-US92-02521-3
24	115.2	8.3	1517	4	US-08-981-729-7
25	115.2	8.3	8533	1	US-07-846-181-6
26	115.2	8.3	8533	1	US-07-845-989-6
27	41.6	3.0	796	4	US-08-998-416-467

C 28	39.4	2.9	7218	1	US-08-232-463-14	Sequence 14, Appl
C 29	38.4	2.8	1931	2	US-09-130-114-2	Sequence 2, Appl
C 30	38.2	2.8	2779	3	US-08-482-677-5	Sequence 5, Appl
C 31	38.2	2.8	2783	1	US-08-152-019A-41	Sequence 41, Appl
C 32	36.6	2.7	43280	2	US-08-804-227C-1	Sequence 1, Appl
C 33	36	2.6	24417	2	US-08-846-762-1	Sequence 1, Appl
C 34	35.8	2.6	20235	1	US-07-642-734C-3	Sequence 3, Appl
C 35	35.8	2.6	20235	3	US-08-439-009A-3	Sequence 3, Appl
C 36	35.4	2.6	1182	1	US-08-241-943-23	Sequence 23, Appl
C 37	35.4	2.6	1431	1	US-08-254-357-1	Sequence 1, Appl
C 38	35.4	2.6	2327	6	5229279-5	Sequence 1, Appl
C 39	35.4	2.6	2327	6	5512669-5	Sequence 1, Appl
C 40	35.4	2.6	4983	1	US-08-472-358-1	Sequence 1, Appl
C 41	35.4	2.6	4983	5	PCT-US92-05786A-1	Sequence 1, Appl
C 42	35.4	2.6	4984	1	US-08-687-806-1	Sequence 1, Appl
C 43	35.2	2.6	2184	4	US-09-307-265A-2	Sequence 2, Appl
C 44	35.2	2.6	3061	1	US-08-700-576-1	Sequence 1, Appl
C 45	34.8	2.5	1068	4	US-09-000-064-1	Sequence 1, Appl

## ALIGNMENTS

RESULT 1  
US-08-557-128-3  
Sequence 3, Application US/08557128  
Patent No. 5849524  
GENERAL INFORMATION:  
APPLICANT: KONDO, Keiji  
APPLICANT: KAJIWARA, Susumu  
TITLE OF INVENTION: TRANSFORMATION SYSTEMS FOR THE YEAST  
TITLE OF INVENTION: CANDIDA UTILIS AND THE EXPRESSION OF HETEROLOGOUS GENES  
TITLE OF INVENTION: THERMETH  
NUMBER OF SEQUENCES: 40  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: 3000 K Street, N.W., Suite 500  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20007-5109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/557,128  
FILING DATE: 25-JAN-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/JP95/01005  
FILING DATE: 25-MAY-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-129287  
FILING DATE: 28-APR-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-285823  
FILING DATE: 26-OCT-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-135015  
FILING DATE: 25-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 49441/108  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202)672-5300  
TELEFAX: (202)672-5399  
TELEX: 904136  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:

LENGTH: 2330 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1259..2059  
FEATURE:  
NAME/KEY: mat.peptide  
LOCATION: 1259..2059  
US-08-557-128-3

Query Match 26.8% Score 370.4; DB 2; Length 2330;  
Best Local Similarity 67.5%; Pred. No. 4e-101;

Matches 521; Conservative 0; Mismatches 251; Indels 0; Gaps 0;

OY 214 caacgaatcttcaagcagaagagcacaacatctcgcagctcgaagaagcttc 273  
DB 1266 CCACGTTATCGTACACAGAGGGGCGACACACCTTCCCACTTGAAGGCTCTGT 1325  
OY 274 tggcattgacagagagaagaacaaatctcgcgctcccttgatgctcgagctcta 333  
DB 1336 TTTCCCTTATGGAGTCAAGAGAGAACCTGTGCGCAGTGTGATGCTACACAG 1385  
OY 334 gaaagctctgagagcagacacagcctgagacagacatctgctgtagaagacatg 393  
DB 1386 AGGACTTGTCTCAAGCTCTTGTATAGCTTGGTCCCTTATATCTGTCTGTGAAGCGCAT 1445  
OY 394 tgcagatactcagagactctcagacatcagagacagcagcagcagcagcagcagc 453  
DB 1446 TTGATATCATGATGATGATCTTCTATGAGTCTACTGTGCTCCACTGTGAGAGCTTCA 1505  
OY 454 ctaagcacaactctcagctctcgaagagcagcagcagcagcagcagcagcagcagc 513  
DB 1506 AGAACCAAAATTTCTCTCTTGTGAGACCGTAAATTGCTGATATCGGCAACCGTCA 1565  
OY 514 agctcagctactccctcgcgcgctgtaacgctacgcagctgagagagctgagagagc 573  
DB 1566 AGGCACTATACCGCGGCTGCTGCTTCAAGATTTGCCAATGAGGCGCATATACCAAGCGCC 1625  
OY 574 acgagctacacgagcccgctgctgtaagcagcagcagcagcagcagcagcagcagc 633  
DB 1626 ACGGTGTACCGGTCAGAGTATCGTCAAGGGGTGAAGAGAGCTGACAGAGCAACCAAG 1685  
OY 634 aggaacccaaggggtctgctgctgctgagagagcctctctcagggctcttgagcagc 693  
DB 1686 ATGACCCAAAGAGGGCTGTGATGCTTGGGAGCTGAGCTCCAAAGGGCTCTTGGCCACG 1745  
OY 694 gaaactatacagcagcagcctgctgtaaatgagcagcagcagcagcagcagcagcagc 753  
DB 1746 GGACATATACCGAGAGAGCCGTGAGATTTGCCAATACTGATTAAGACTTTGTATTGAT 1805  
OY 754 tcaatcgcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 813  
DB 1806 TCATGCGACAGAGAGAGTGGGTGACAGAAAGATGGTTGATGATGATCATATGACAC 1865  
OY 814 cgggggtctgagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 873  
DB 1866 CAGGGGTGCGAGCTGACATTAAGGGCGACTCCCTGGGCAACAGTACAGAACTGTGATG 1925  
OY 874 aggtcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 933  
DB 1926 AGGTGTGAGTGTGCTCTATCATCATCATCTGTTGGAGGCTTTTGGAAAGGGA 1985  
OY 934 gaaagcccaagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 985  
DB 1986 GAGATCCAAAGTGAAGAGTGAAGCTTATGAAAAGCAGCTGGGATGCTTA 2037

RESULT 2  
US-08-801-344-5/c  
Sequence 5, Application US/08801344

Patent No. 6087140  
GENERAL INFORMATION:  
APPLICANT: Cameron, Douglas C.  
APPLICANT: Shaw, Anita J.  
APPLICANT: Altaras, Nedim E.  
TITLE OF INVENTION: MICROBIAL PRODUCTION OF 1,2-PROPANEDIOL  
TITLE OF INVENTION: FROM SUGAR  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dewitt Ross & Stevens S.C.  
STREET: 8000 Excelsior Drive, Suite 401  
CITY: Madison  
STATE: WI  
COUNTRY: U.S.A.  
ZIP: 53717-1914  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/801,344  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Sara, Charles S.  
REFERENCE/DOCKET NUMBER: 09820.037  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 608-831-2100  
TELEFAX: 608-831-2106  
INFORMATION FOR SEQ. ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5181 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Yeast shuttle vector YEp352  
US-08-801-344-5

Query Match 25.9% Score 357; DB 3; Length 5181;  
Best Local Similarity 62.7%; Pred. No. 6.6e-97;  
Matches 555; Conservative 0; Mismatches 330; Indels 0; Gaps 0;

OY 120 acatactcttgatgctgtagagctccacatcacagtaagcattgtatagagctgac 179  
DB 1257 ATATACGATATGTAGTGTGAAGAAATGAAATTTGCCAGTATTCTTAACCCATCTGC 1198  
OY 180 atagggctcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 239  
DB 1197 ACAAGCAAAACAGCAAGCAAGATTAATCATGTCGAAAGCTACATATTAAGGAGCTGCT 1138  
OY 240 aaggcacacaatcgcagctgctgtagaagcctctgagcagcagcagcagcagcagc 299  
DB 1137 GCTACTCATCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1078  
OY 300 aatctctgagctcccttgatgctgagcagcagcagcagcagcagcagcagcagcagc 359  
DB 1077 AACTTGTGCTCTCATTTGATGCTTCTTACACCAAGAAATTAAGTAAAGCA 1018  
OY 360 ctggagccgacatctgctcgtgagagacatgctcagacatctgagcagcagcagcagc 419  
DB 1017 TTAGGTCGCCAAATTTGTTTACTTAAACACATGTGATATCTTGAATGATTTTTCATG 958  
OY 420 gagaacagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 479  
DB 957 GAGGCGACAGTTAAAGCGCTAAAGGATATATCCCAAGTAAATTTTACTCTTCGAA 898  
OY 480 gaccgcaagctgctgacatctggaacacagcagcagcagcagcagcagcagcagcagc 539

Db	897	GACGAGAAATTTGCTGCATTTGGTAATACAGCTCAAAATTTGCAGTACTCTGGGGGTGTATAC	838
Qy	540	cgatlcgcggagctgggagatatactacatgcaacgcgctcccccggctgctgata	599
Db	837	AGAAATACGAAATGGGCGACGACATTACGAATGACACCGGTGGGGGCCAGTATGTT	778
Qy	600	gccgggctgaaaggagctgcgaaacgctccacagaacccaggggctgtgcgagctg	659
Db	777	AGCGGTTTGAAGCGAGCGCGCGAAGAAAGTAACAAAAGAACCTACAGGCCCTTTTGATGTTA	718
Qy	660	gcagagcgtctcttcacagagctcttcggcgcgaggagacatacacggggcgctgctgaa	719
Db	717	GCAGATTGTATGCAAGGGCTCCCTATCTACTGGAATAATACTAAGGGTACTGTTGAC	658
Qy	720	atgggaaagctcggagcgaagaagctctgtagctgggttccatcgcgcagctgacatgggtg	779
Db	657	ATTGCGAAGACGACAAAGATTTTGTTATCGGCTTTATGCTCAAAAGACATGGGTGGA	598
Qy	780	cgctgagacgagctctgactgagctcatalcatgaccccgggggtctggccggagcaaaaga	839
Db	597	AGAGATGAAGGTTACGATGTTGTGATTATGACCCCGGTGGGTTTAGATGACAAAGGA	538
Qy	840	gaacggcctcgagcccaacagtaacgcacagctgagatgagctgcgtccagcgaacggtaccga	899
Db	537	GACGCATTTGGGTCAACACATATATGAACCGTGGATGATGTGCTCTACAGGATCTGCACATT	478
Qy	900	atcaatctgtgacagaggcctcttgacaagggaaagagaccccaagctgcagaggtgccgc	955
Db	477	ATTATTTGTTGGAGAGGAGCTATTTTCCAAAGGAAAGGATGCTAAGGTAGAGGTGAACGT	418
Qy	960	taccgcaagggccggtctggagagcttactctggccgttaaggcgag	1004
Db	417	TACAGAAAGCAGGCTGGGAGACATATTTGAGAGAGATCGGGCCAG	373

RESULT 3  
US-08-204-675-1  
: Sequence 1, Application US/08204675  
: Patent No. 5677170  
: GENERAL INFORMATION:  
: APPLICANT: Devine, Scott E.  
: APPLICANT: Boeke, Jef D.  
: APPLICANT: Bralerman, Lelita T.  
: TITLE OF INVENTION: In Vitro Transposition of Artificial  
: TITLE OF INVENTION: Transposons  
: NUMBER OF SEQUENCES: 7  
: CORRESPONDENCE ADDRESS:  
: ADDRESSEE: Banner, Birch, McKie, and Beckett  
: STREET: 1001 G Street, N.W.  
: CITY: Washington  
: STATE: D.C.  
: COUNTRY: U.S.A.  
: ZIP: 20001  
: COMPUTER READABLE FORM:  
: MEDIUM TYPE: Floppy disk  
: COMPUTER: IBM PC compatible  
: OPERATING SYSTEM: PC-DOS/MS-DOS  
: SOFTWARE: PatentIn Release #1.0, Version #1.25  
: CURRENT APPLICATION DATA:  
: APPLICATION NUMBER: US/08/204,675  
: FILING DATE: 02-MAR-1994  
: CLASSIFICATION: 435  
: ATTORNEY/AGENT INFORMATION:  
: NAME: Kagan, Sarah A.  
: REGISTRATION NUMBER: 32,141  
: REFERENCE/DOCKET NUMBER: 01107.45501  
: TELECOMMUNICATION INFORMATION:  
: TELEPHONE: 202.508.9100  
: TELEFAX: 202.508.9299  
: TELEX: 197430 BBMB UT  
: INFORMATION FOR SEQ ID NO: 1:  
: SEQUENCE CHARACTERISTICS:

```

:      LENGTH: 4164 base pairs
:      TYPE: nucleic acid
:      STRANDEDNESS: double
:      TOPOLOGY: circular
:      MOLECULE TYPE: DNA (genomic)
:      HYPOTHETICAL: NO
:      ANTI-SENSE: NO
:      IMMEDIATE SOURCE:
:      CLONE: PAT-1
:
US-08-204-675-1

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Query Match	Similarity	Score	DB 1:	Length	4164:
Best Local Match	Similarity	65.5%:	Pred. No. 1,2e-96:		
Matches	521:	Conservative	0:	Mismatches	275:
			Indels	0:	Gaps
Qy	209	catgtcaacgaatcttaccagagaaaggccaagacacaaatlccgacgttgcctagaaa	268		
Db	416		475		
Qy	269	gcttccttgatctgaatgacagagagaaacacatctctgcgtctccctctgattgtcggac	328		
Db	476		535		
Qy	329	gctctgaagagctctctgagcttagacagacacgcctctggagcccgacaattgtctctgaagac	388		
Db	536		595		
Qy	389	acatgtctgacatactgacagagactctgacatctgagaaagacagtcgaacgccttgacagcgt	448		
Db	596		655		
Qy	449	tcgagctaaagacaactctacatctctgagagacgcgaattcgcctgacatttggccaacac	508		
Db	656		715		
Qy	509	ggttaagcttgacgtactcctccgcgctgtacacgtatccggagttgggcgataattccaa	568		
Db	716		775		
Qy	569	tgagacagcgctgacacggcccgctgtatagccggagctgaagaaagctgcgaatactgac	628		
Db	776		835		
Qy	629	ctcacaggaacccacagggggtgtctgatactctgcagagactcctctcaaggctctctggc	688		
Db	836		895		
Qy	689	gcgcgagagactataccgcgagcgctcgcttgaatgaaggcgaaccttgagaaagactctggat	748		
Db	896		955		
Qy	749	cggttcatctcgccagcgcgtacacatggtctgagagcttgacagagctcttgactgcatcat	808		
Db	956		1015		
Qy	809	gaccccgagggtctggccttgacagcaaaagaaagacgcctctgggcgaagatcacaccagcgtc	868		
Db	1016		1075		
Qy	869	gagttgaagctctgacagcagctgacagatctgcatcatgcttgacagagagctctcttgacaa	928		
Db	1076		1135		
Qy	929	ggggaagaacccccagtcgaaaggttgcgcgtctacgcgaagccggtctggagagccttactc	988		
Db	1136		1195		
Qy	989	gcgcgcgtatgggcgag	1004		
Db	1196		1211		

RESULT 4  
US-08-660-754-1  
Sequence 1, Application US/08660754  
Patent No. 5843772  
GENERAL INFORMATION:  
APPLICANT: Devine, Scott E.  
APPLICANT: Boeke, Jeff D.  
APPLICANT: Bralteman, Lellita T.  
TITLE OF INVENTION: In Vitro Transposition of Artificial  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Banner, Birch, McKie, and Beckett  
STREET: 1001 G Street, N.W.  
CITY: Washington  
STATE: D.C.  
COUNTRY: U.S.A.  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/660,754  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/204,675  
FILING DATE: 02-MAR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Kagan, Sarah A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107,45501  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202,508,9100  
TELEFAX: 202,508,9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4164 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
IMMEDIATE SOURCE:  
CLONE: PAT-1  
US-08-660-754-1

Query Match 25.8%; Score 356; DB 2; Length 4164;  
Best Local Similarity 65.5%; Pred. No. 1.2e-96;  
Matches 521; Conservative 0; Mismatches 275; Indels 0; Gaps 0;

DB 209 catgtcaacgaactcttaacgacgaagaagggccaaagcacacaaaltcgccagttgctagaac 268  
DB 416 catgtcaacgaactcttaacgaagaagggccaaagcacacaaaltcgccagttgctagaac 475  
DB 269 gcttcgagcatctgacacgaagaagaacaaatctcgtcgttccttcgtgagtgagac 328  
DB 476 gcattttattatcattcaccagaaagaaacaaacttctgtcttcatttgagatttgcgtac 535  
DB 329 gttcagaagaagctctgagacacagacacgctggagaccgacatttgcctgctagaac 388  
DB 536 caccagaagattactgagattgattgaacatttagctcccaaaatttggttacttaaac 595  
DB 389 acattgcacatactgacgagacttcgacacacgacacagtcgaagcgcgtgacagact 448  
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RESULT 5  
US-08-796-364-1  
Sequence 1, Application US/08796364  
Patent No. 5968785  
GENERAL INFORMATION:  
APPLICANT: Devine, Scott E.  
APPLICANT: Boeke, Jeff D.  
APPLICANT: Bralteman, Lellita T.  
TITLE OF INVENTION: In Vitro Transposition of Artificial  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Banner, Birch, McKie, and Beckett  
STREET: 1001 G Street, N.W.  
CITY: Washington  
STATE: D.C.  
COUNTRY: U.S.A.  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/796,364  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/204,675  
FILING DATE: 02-MAR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Kagan, Sarah A.  
REGISTRATION NUMBER: 32,141







QY	989	g	c	g	c	g	t	a	t	g	g	c	g	a	g	1004
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RESULT 8

US-06-660-754-2  
Sequence 2, Application US/08660754  
Patent No. 5843772  
GENERAL INFORMATION:  
APPLICANT: Devine, Scott E.  
APPLICANT: Boone, Jeff D.  
APPLICANT: Brateman, Leilita T.  
TITLE OF INVENTION: In Vitro Transposition of Artificial  
TITLE OF INVENTION: Transposons  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Banner, Birch, Mckie, and Beckett  
STREET: 1001 G Street, N.W.  
CITY: Washington  
STATE: D.C.  
COUNTRY: U.S.A.  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentln Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/660,754  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/204,675  
FILING DATE: 02-MAR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Kagan, Sarah A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107,45501  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202,508,9100  
TELEFAX: 202,508,9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4933 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
IMMEDIATE SOURCE:  
CLONE: PAT-2

Query Match	25.8%	Score 356;	DB 2;	Length 4933;
Best Local Similarity	65.5%	Pred. NO. 1.3e-96;		
Matches 521; Conservative	0;	Mismatches 275;	Indels 0;	Gaps 0

[illegible][illegible]

## RESULT

US-08-796-364-2  
Sequence 2, Application US/08796364  
Patent No. 5968785  
GENERAL INFORMATION:  
APPLICANT: Devine, Scott E.  
APPLICANT: Boeke, Jef D.  
APPLICANT: Bralerman, Lelita T.  
TITLE OF INVENTION: In Vitro Transposition of Artificial  
TITLE OF INVENTION: Transposons  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Banner, Birch, McKie, and Beckett  
STREET: 1001 G Street, N.W.  
CITY: Washington  
STATE: D.C.  
COUNTRY: U.S.A.  
ZIP: 20001  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/796,364  
FILING DATE:  
CLASSIFICATION:  
PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 08/204, 675  
FILING DATE: 02-MAR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Kagan, Sarah A.  
REGISTRATION NUMBER: 32,141  
REFERENCE/DOCKET NUMBER: 01107,45501  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202,508,9100  
TELEFAX: 202,508,9299  
TELEX: 197430 BBMB UT  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4933 base pairs  
TYPE: nucleic acid  
STRADEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYDROTICAL: NO  
ANTI-SENSE: NO  
IMMEDIATE SOURCE:  
CLONE: PAT-2  
8-796-364-2

Query Match	25.8%	Score 356;	DB 2;	Length 4933;
Best Local Similarity	65.5%;	Pred. NO. 1.3e-96;		
Matches 521;	Conservative	0;	Mismatches 275;	Indels 0;
				Gaps 0

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Db	476	gctattattatatacatcagcagaaaaagcaaaaacaaactgtgtgctctcatgttgattgctac	535
Oy	329	gctctagaagagctctcgcgagctcagcagacagctctggagccgcaacttgctcgtcgaagac	388
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Oy	389	acatgtcgcacabactgcagagacttcgacatctgaagacagacagttcaagccgtctgcagacgt	448
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Oy	449	tgcggtcgaagcaacatctcagatctctcgcggttcgagagccgaagttcgtcgaactctgcacaac	508
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	716	agtcataatttgcaatracattctcgcggctgtatcacgaattgcaaaattggcgacacatttcgaa	775
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Db	776	tgcacacgcggtgctggggccacaggtattgtttagcgggttaaacacagccgcacaaacaaagt	835
Oy	629	ctcaacaggaacccaggggggtctgcgaatctgcgcagacatctctctcgaagcctcttgcg	688
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Db	956	cgcgcttatttctcaaaagacacatgsggtgcgaagagatgaagctttaccatttgggtgatttat	1011
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RESULT 10  
PCT-US95-0

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1  Sequence 2, Application PC/TUS9502520
2  GENERAL INFORMATION:
3  APPLICANT: The Johns Hopkins University
4  TITLE OF INVENTION: In Vitro Transposition of Artificial
5  TITLE OF INVENTION: Transposons
6  NUMBER OF SEQUENCES: 7
7  CORRESPONDENCE ADDRESSES:
8  ADDRESSEE: Banner, Birch, McKie, and Beckett
9  STREET: 1001 G Street, N.W.
10 CITY: Washington
11 STATE: D.C.
12 COUNTRY: U.S.A.
13 ZIP: 20001
14 COMPUTER READABLE FORM:
15 MEDIUM TYPE: Floppy disk
16 COMPUTER: IBM PC compatible
17 OPERATING SYSTEM: PC-DOS/MS-DOS
18 SOFTWARE: PatentIn Release #1.0, Version #1.25
19 CURRENT APPLICATION DATA:
20 APPLICATION NUMBER: PCT/US95/02520
21 FILING DATE: 02-MAR-1995
22 CLASSIFICATION:
23 ATTORNEY/AGENT INFORMATION:
24 NAME: Kagan, Sarah A.
25 REGISTRATION NUMBER: 32,141
26 REFERENCE/DOCKET NUMBER: 01107.49245
27 TELECOMMUNICATION INFORMATION:
28 TELEPHONE: 202.508.9100
29 TELEFAX: 202.508.9299
30 TELEX: 197430 BMBB UT
31 INFORMATION FOR SEQ ID NO: 2:
32 SEQUENCE CHARACTERISTICS:
33 LENGTH: 4933 base pairs
34 TYPE: nucleic acid
35 STRANDEDNESS: double
36 TOPOLOGY: circular
37 MOLECULE TYPE: DNA (genomic)
38 HYPOTHEetical: NO
39 ANTI-SENSE: NO
40 IMMEDIATE SOURCE:
41 CLONE: PAT-2
42 COUNTRY: U.S.A.
43 ZIP: 20001
44 COMPUTER READABLE FORM:
45 MEDIUM TYPE: Floppy disk
46 COMPUTER: IBM PC compatible
47 OPERATING SYSTEM: PC-DOS/MS-DOS
48 SOFTWARE: PatentIn Release #1.0, Version #1.25
49 CURRENT APPLICATION DATA:
50 APPLICATION NUMBER: PCT/US95/02520
51 FILING DATE: 02-MAR-1995
52 CLASSIFICATION:
53 ATTORNEY/AGENT INFORMATION:
54 NAME: Kagan, Sarah A.
55 REGISTRATION NUMBER: 32,141
56 REFERENCE/DOCKET NUMBER: 01107.49245
57 TELECOMMUNICATION INFORMATION:
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59 TELEFAX: 202.508.9299
60 TELEX: 197430 BMBB UT
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62 SEQUENCE CHARACTERISTICS:
63 LENGTH: 4933 base pairs
64 TYPE: nucleic acid
65 STRANDEDNESS: double
66 TOPOLOGY: circular
67 MOLECULE TYPE: DNA (genomic)
68 HYPOTHEtical: NO
69 ANTI-SENSE: NO
70 IMMEDIATE SOURCE:
71 CLONE: PAT-2
72 COUNTRY: U.S.A.
73 ZIP: 20001
74 COMPUTER READABLE FORM:
75 MEDIUM TYPE: Floppy disk
76 COMPUTER: IBM PC compatible
77 OPERATING SYSTEM: PC-DOS/MS-DOS
78 SOFTWARE: PatentIn Release #1.0, Version #1.25
79 CURRENT APPLICATION DATA:
80 APPLICATION NUMBER: PCT/US95/02520
81 FILING DATE: 02-MAR-1995
82 CLASSIFICATION:
83 ATTORNEY/AGENT INFORMATION:
84 NAME: Kagan, Sarah A.
85 REGISTRATION NUMBER: 32,141
86 REFERENCE/DOCKET NUMBER: 01107.49245
87 TELECOMMUNICATION INFORMATION:
88 TELEPHONE: 202.508.9100
89 TELEFAX: 202.508.9299
90 TELEX: 197430 BMBB UT
91 INFORMATION FOR SEQ ID NO: 2:
92 SEQUENCE CHARACTERISTICS:
93 LENGTH: 4933 base pairs
94 TYPE: nucleic acid
95 STRANDEDNESS: double
96 TOPOLOGY: circular
97 MOLECULE TYPE: DNA (genomic)
98 HYPOTHEtical: NO
99 ANTI-SENSE: NO
100 IMMEDIATE SOURCE:
101 CLONE: PAT-2
102 COUNTRY: U.S.A.
103 ZIP: 20001
104 COMPUTER READABLE FORM:
105 MEDIUM TYPE: Floppy disk
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107 OPERATING SYSTEM: PC-DOS/MS-DOS
108 SOFTWARE: PatentIn Release #1.0, Version #1.25
109 CURRENT APPLICATION DATA:
110 APPLICATION NUMBER: PCT/US95/02520
111 FILING DATE: 02-MAR-1995
112 CLASSIFICATION:
113 ATTORNEY/AGENT INFORMATION:
114 NAME: Kagan, Sarah A.
115 REGISTRATION NUMBER: 32,141
116 REFERENCE/DOCKET NUMBER: 01107.49245
117 TELECOMMUNICATION INFORMATION:
118 TELEPHONE: 202.508.9100
119 TELEFAX: 202.508.9299
120 TELEX: 197430 BMBB UT
121 INFORMATION FOR SEQ ID NO: 2:
122 SEQUENCE CHARACTERISTICS:
123 LENGTH: 4933 base pairs
124 TYPE: nucleic acid
125 STRANDEDNESS: double
126 TOPOLOGY: circular
127 MOLECULE TYPE: DNA (genomic)
128 HYPOTHEtical: NO
129 ANTI-SENSE: NO
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131 CLONE: PAT-2
132 COUNTRY: U.S.A.
133 ZIP: 20001
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138 SOFTWARE: PatentIn Release #1.0, Version #1.25
139 CURRENT APPLICATION DATA:
140 APPLICATION NUMBER: PCT/US95/02520
141 FILING DATE: 02-MAR-1995
142 CLASSIFICATION:
143 ATTORNEY/AGENT INFORMATION:
144 NAME: Kagan, Sarah A.
145 REGISTRATION NUMBER: 32,141
146 REFERENCE/DOCKET NUMBER: 01107.49245
147 TELECOMMUNICATION INFORMATION:
148 TELEPHONE: 202.508.9100
149 TELEFAX: 202.508.9299
150 TELEX: 197430 BMBB UT
151 INFORMATION FOR SEQ ID NO: 2:
152 SEQUENCE CHARACTERISTICS:
153 LENGTH: 4933 base pairs
154 TYPE: nucleic acid
155 STRANDEDNESS: double
156 TOPOLOGY: circular
157 MOLECULE TYPE: DNA (genomic)
158 HYPOTHEtical: NO
159 ANTI-SENSE: NO
160 IMMEDIATE SOURCE:
161 CLONE: PAT-2
162 COUNTRY: U.S.A.
163 ZIP: 20001
164 COMPUTER READABLE FORM:
165 MEDIUM TYPE: Floppy disk
166 COMPUTER: IBM PC compatible
167 OPERATING SYSTEM: PC-DOS/MS-DOS
168 SOFTWARE: PatentIn Release #1.0, Version #1.25
169 CURRENT APPLICATION DATA:
170 APPLICATION NUMBER: PCT/US95/02520
171 FILING DATE: 02-MAR-1995
172 CLASSIFICATION:
173 ATTORNEY/AGENT INFORMATION:
174 NAME: Kagan, Sarah A.
175 REGISTRATION NUMBER: 32,141
176 REFERENCE/DOCKET NUMBER: 01107.49245
177 TELECOMMUNICATION INFORMATION:
178 TELEPHONE: 202.508.9100
179 TELEFAX: 202.508.9299
180 TELEX: 197430 BMBB UT
181 INFORMATION FOR SEQ ID NO: 2:
182 SEQUENCE CHARACTERISTICS:
183 LENGTH: 4933 base pairs
184 TYPE: nucleic acid
185 STRANDEDNESS: double
186 TOPOLOGY: circular
187 MOLECULE TYPE: DNA (genomic)
188 HYPOTHEtical: NO
189 ANTI-SENSE: NO
190 IMMEDIATE SOURCE:
191 CLONE: PAT-2
192 COUNTRY: U.S.A.
193 ZIP: 20001
194 COMPUTER READABLE FORM:
195 MEDIUM TYPE: Floppy disk
196 COMPUTER: IBM PC compatible
197 OPERATING SYSTEM: PC-DOS/MS-DOS
198 SOFTWARE: PatentIn Release #1.0, Version #1.25
199 CURRENT APPLICATION DATA:
200 APPLICATION NUMBER: PCT/US95/02520
201 FILING DATE: 02-MAR-1995
202 CLASSIFICATION:
203 ATTORNEY/AGENT INFORMATION:
204 NAME: Kagan, Sarah A.
205 REGISTRATION NUMBER: 32,141
206 REFERENCE/DOCKET NUMBER: 01107.49245
207 TELECOMMUNICATION INFORMATION:
208 TELEPHONE: 202.508.9100
209 TELEFAX: 202.508.9299
210 TELEX: 197430 BMBB UT
211 INFORMATION FOR SEQ ID NO: 2:
212 SEQUENCE CHARACTERISTICS:
213 LENGTH: 4933 base pairs
214 TYPE: nucleic acid
215 STRANDEDNESS: double
216 TOPOLOGY: circular
217 MOLECULE TYPE: DNA (genomic)
218 HYPOTHEtical: NO
219 ANTI-SENSE: NO
220 IMMEDIATE SOURCE:
221 CLONE: PAT-2
222 COUNTRY: U.S.A.
223 ZIP: 20001
224 COMPUTER READABLE FORM:
225 MEDIUM TYPE: Floppy disk
226 COMPUTER: IBM PC compatible
227 OPERATING SYSTEM: PC-DOS/MS-DOS
228 SOFTWARE: PatentIn Release #1.0, Version #1.25
229 CURRENT APPLICATION DATA:
230 APPLICATION NUMBER: PCT/US95/02520
231 FILING DATE: 02-MAR-1995
232 CLASSIFICATION:
233 ATTORNEY/AGENT INFORMATION:
234 NAME: Kagan, Sarah A.
235 REGISTRATION NUMBER: 32,141
236 REFERENCE/DOCKET NUMBER: 01107.49245
237 TELECOMMUNICATION INFORMATION:
238 TELEPHONE: 202.508.9100
239 TELEFAX: 202.508.9299
240 TELEX: 197430 BMBB UT
241 INFORMATION FOR SEQ ID NO: 2:
242 SEQUENCE CHARACTERISTICS:
243 LENGTH: 4933 base pairs
244 TYPE: nucleic acid
245 STRANDEDNESS: double
246 TOPOLOGY: circular
247 MOLECULE TYPE: DNA (genomic)
248 HYPOTHEtical: NO
249 ANTI-SENSE: NO
250 IMMEDIATE SOURCE:
251 CLONE: PAT-2
252 COUNTRY: U.S.A.
253 ZIP: 20001
254 COMPUTER READABLE FORM:
255 MEDIUM TYPE: Floppy disk
256 COMPUTER: IBM PC compatible
257 OPERATING SYSTEM: PC-DOS/MS-DOS
258 SOFTWARE: PatentIn Release #1.0, Version #1.25
259 CURRENT APPLICATION DATA:
260 APPLICATION NUMBER: PCT/US95/02520
261 FILING DATE: 02-MAR-1995
262 CLASSIFICATION:
263 ATTORNEY/AGENT INFORMATION:
264 NAME: Kagan, Sarah A.
265 REGISTRATION NUMBER: 32,141
266 REFERENCE/DOCKET NUMBER: 01107.49245
267 TELECOMMUNICATION INFORMATION:
268 TELEPHONE: 202.508.9100
269 TELEFAX: 202.508.9299
270 TELEX: 197430 BMBB UT
271 INFORMATION FOR SEQ ID NO: 2:
272 SEQUENCE CHARACTERISTICS:
273 LENGTH: 4933 base pairs
274 TYPE: nucleic acid
275 STRANDEDNESS: double
276 TOPOLOGY: circular
277 MOLECULE TYPE: DNA (genomic)
278 HYPOTHEtical: NO
279 ANTI-SENSE: NO
280 IMMEDIATE SOURCE:
281 CLONE: PAT-2
282 COUNTRY: U.S.A.
283 ZIP: 20001
284 COMPUTER READABLE FORM:
285 MEDIUM TYPE: Floppy disk
286 COMPUTER: IBM PC compatible
287 OPERATING SYSTEM: PC-DOS/MS-DOS
288 SOFTWARE: PatentIn Release #1.0, Version #1.25
289 CURRENT APPLICATION DATA:
290 APPLICATION NUMBER: PCT/US95/02520
291 FILING DATE: 02-MAR-1995
292 CLASSIFICATION:
293 ATTORNEY/AGENT INFORMATION:
294 NAME: Kagan, Sarah A.
295 REGISTRATION NUMBER: 32,141
296 REFERENCE/DOCKET NUMBER: 01107.49245
297 TELECOMMUNICATION INFORMATION:
298 TELEPHONE: 202.508.9100
299 TELEFAX: 202.508.9299
300 TELEX: 197430 BMBB UT
301 INFORMATION FOR SEQ ID NO: 2:
302 SEQUENCE CHARACTERISTICS:
303 LENGTH: 4933 base pairs
304 TYPE: nucleic acid
305 STRANDEDNESS: double
306 TOPOLOGY: circular
307 MOLECULE TYPE: DNA (genomic)
308 HYPOTHEtical: NO
309 ANTI-SENSE: NO
310 IMMEDIATE SOURCE:
311 CLONE: PAT-2
312 COUNTRY: U.S.A.
313 ZIP: 20001
314 COMPUTER READABLE FORM:
315 MEDIUM TYPE: Floppy disk
316 COMPUTER: IBM PC compatible
317 OPERATING SYSTEM: PC-DOS/MS-DOS
318 SOFTWARE: PatentIn Release #1.0, Version #1.25
319 CURRENT APPLICATION DATA:
320 APPLICATION NUMBER: PCT/US95/02520
321 FILING DATE: 02-MAR-1995
322 CLASSIFICATION:
323 ATTORNEY/AGENT INFORMATION:
324 NAME: Kagan, Sarah A.
325 REGISTRATION NUMBER: 32,141
326 REFERENCE/DOCKET NUMBER: 01107.49245
327 TELECOMMUNICATION INFORMATION:

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Query Match	25.8%;	Score 356;	DB 5;	Length 4933;
Best Local Similarity	65.5%;	Pred. No. 1.3e-96;		
Matches 521;	Conservative	0;	Mismatches 275;	Indels 0;
				Gaps 0;

Oy	209	catgcgaacgaagaattcttcgcgaagaaggccgaagcacaacattcgcaatgtgtatgaac	266
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Oy	269	gcttcgcatctatgacgcagaagaagaacccaatctcgcgctcccttcgattgcygagac	328
Db	476	gctattttatattcatgacacgaaaaagcaaacaaactgtgttccttcattggatgtttcgatc	535
Oy	329	gtctgaagaagctctcgcgagctacagacaagctcggaacgcacattgtctcgtcgaagac	388
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Query Match	Similarity	25.8%	Score 356	DB 3	Length 7102
Best Local	Similarity	65.5%	Pred. No. 1.6e-96		
Matches	521	Conservative	0	Mismatches 275	Indels 0
				Gaps	0
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QY	269	gctctgtgcatctgtatgcagcagagaaagaaacccaactctgtgcgtctccctgtatgtgcg	328		
Db	5874	gctatttaataatcatcagcagcaagaaacaaacaaactgtgtgtctatctgtatgtctgtac	5933		
QY	329	gctctgaagagctctgtgaggtctagcagacacgcttggagccgcacattgtctgtctaaag	388		
Db	5934	caccagaagattactcgtgagttagtgtgaagcattgaagctcccaaaattgtttacttaaaac	5993		
QY	389	aactgtcagacatctgacagcagacttcgacatcgacagcagacagtcacagccgcttcagcag	448		
Db	5994	acatgtgataatctctgacagacttttccatctgagagcagatgtaagccgctcaaaagcact	6053		
QY	449	tgcggtctaagcacaacttcacatgtatcttcgagagccgcagagtcgcgttcgacatttgagac	508		
Db	6054	atccgcagaagtaacaatttttactctctcgaagacagaaatttgctgtcatgtgtaataac	6113		
QY	509	ggtttagcctgcagactctctctccggtgtctacgctatcgccgaggtgtggtcgatataccaa	568		
Db	6114	agtcacatctgcagactctctcgtcgtgtgtatacagaatacgaatltggtgcagacattacga	6173		
QY	569	tgcacaacgctgcacacacggcccgctgtgtatagccggtctgtaagagaggtctgcgaactg	628		
Db	6174	tgcacaacgctgt	6233		
QY	629	ctcacagaaaccaggggt	688		
Db	6234	aacaaaggaagacactgaagggccttltgtatgttagcagaattgttcacatgtcagaggtcc	6293		
QY	689	gctgcggaagacatctacacgggtgcgtctgtgtgaattgcggaagcttcgacagagactt	748		
Db	6294	tactgtgaaataatactaaaggggtacgtctgtacatctgtgcagagcagcacaagaattgt	6353		
QY	749	cgggttcatctgcgcgcgcgtgtacatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt	808		
Db	6354	cggcttattctgtccaaagagacatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt	6413		
QY	809	gaccccggt	868		
Db	6414	gacacccggt	6473		
QY	869	ggaatgaagcttcagcgcgcgttcacgatgtatcatcttctgtgtgtgtgtgtgtgtgtgt	928		
Db	6474	ggaatgaagcttcacatgaagatctgtacatcatctatctgtgtgtgtgtgtgtgtgtgt	6533		
QY	929	gggaagagaccccaaggtctcgaaggttgcgccgtctacgcgaagcgcggttgggaggtctac	988		
Db	6534	gggaagagatctcgaaggtgtgaaggtgtgaagcgttcacgaagaagcaggtctgtgtgtgt	6593		
QY	989	ggcgcgcatgt	1004		
Db	6594	gagaagatcgc	6609		

```

: TITLE OF INVENTION: REGULATED GENE EXPRESSION IN YEAST
: -FILE REFERENCE: 0342/1D4690S1
: CURRENT APPLICATION NUMBER: US/09/138,024A
: CURRENT FILING DATE: 1998-08-21
: EARLIER APPLICATION NUMBER: 60/056,719
: EARLIER FILING DATE: 1997-08-22
: NUMBER OF SEQ ID NOS: 24
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 21
: LENGTH: 7333
: TYPE: DNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Plasmid pzm197
US-09-138-024-21

```

```

Query Match      25.8%; Score 356; DB 3; Length 7333;
Best Local Similarity 65.5%; Pred. No. 1.6e-96;
Matches 521; Conservative 0; Mismatches 275; Indels 0; Gaps 0;

```

```

209 catgtcaacgaatcttaccgcaagaagcgcaacacacacatctgcagctctagaaga 268
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
6045 catgtcaacgaatcttaccgcaagaagcgctgctaccatccctagctctgctgcaaa 6104
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
269 gctctggcattgtacgcaagaagaacacacatctgcgctcccttgatgtgagac 328
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
6105 gctattatatactacgcaagaagaacacacatctgctgctacattgtgctgac 6164
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
329 gctcagaagaagctctgagctgagcaagcctgagccgacacattgtctcgaagaac 388
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6165 caccagaagaatctacgagagtgatgagcattgagcctcccaaaattgttactaaaac 6224
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
389 acatgtcgaacatctacgagctcgaacatcgaacacgacacgctcagcagcact 448
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
6225 acatgtgatactctgactgcttcttcacatgagcagcagctgaagcgcctaaagcatt 6284
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
449 tgcggtcgaacacacatctacatctcgaagacgcgaagctgctgacattgcaaac 508
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
6285 atccgcgaagatacttcttactctcgaagacagaagaatttgcattggttaaac 6344
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
509 ggttaagctgagctacatctcctcgcgctgctgacgctgagcgcgagctatatac 568
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
6345 agtcaaatctgacgctacatctcgcgctgctgacgctgagcgcgagctatatac 6404
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
569 tgcacacgctcgaacgctcgcgctgctgacgctgagcgcgagctgctgacgctg 628
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
6405 tgcacacgctgctgagcgcgagctgctgacgctgagcgcgagctgctgacgctg 6464
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629 ctcaacgaagaacgagctgctgacgctgctgacgctgctgacgctgctgacgct 688
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6465 aacaaaggaacacacatcttcttctgctgctgctgctgctgctgctgctgctgct 6524
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689 ggcggaagaacacacatcttctgctgctgctgctgctgctgctgctgctgctgct 748
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6525 taccggaagaacacacatcttctgctgctgctgctgctgctgctgctgctgctgct 6584
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749 cgggttctacgctgctgctgctgctgctgctgctgctgctgctgctgctgctgct 808
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6585 cgggttctacgctgctgctgctgctgctgctgctgctgctgctgctgctgctgct 6644
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809 gaacccgagctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgct 868
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6645 gacacccgagctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgct 6704
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869 ggaagagctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgct 928
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6705 ggaagagctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgct 6764
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929 ggaagagagaccccaagctgctgctgctgctgctgctgctgctgctgctgctgctgct 988
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6765 ggaagagagctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgct 6824
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QY 989 ggcgcgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgct 1004
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Db 6825 gagaagatgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgctgct 6840
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```

## RESULT 13

```

US-09-028-851-1/C
: Sequence 1, Application US/09028851
: Patent No. 6060249
: GENERAL INFORMATION:
: APPLICANT: Kevin Baker, Austin Gurney
: TITLE OF INVENTION: Method of Selection for Genes Encoding
: TITLE OF INVENTION: Secreted and Transmembrane Proteins
: NUMBER OF SEQUENCES: 3
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Genentech, Inc.
: STREET: 1 DNA Way
: CITY: South San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94080
: COMPUTER READABLE FORM:
: MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Winpatin (Genentech)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/028,851
: FILING DATE: 26-Feb-1998
: CLASSIFICATION:
: PRIORITY APPLICATION DATA:
: APPLICATION NUMBER: 60/039476
: FILING DATE: 27-Feb-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Svoboda, Craig G.
: REGISTRATION NUMBER: 39,044
: REFERENCE/DOCKET NUMBER: P1058R1
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 650/225-1489
: TELEFAX: 650/352-9881
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 7633 base pairs
: TYPE: Nucleic Acid
: STRANDEDNESS: Single
: TOPOLOGY: Linear
US-09-028-851-1

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```

Query Match      25.8%; Score 356; DB 3; Length 7633;
Best Local Similarity 65.5%; Pred. No. 1.6e-96;
Matches 521; Conservative 0; Mismatches 275; Indels 0; Gaps 0;

```

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209 catgtcaacgaatcttaccgcaagaagcgcaacacacacatctgcagctctagaaga 268
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3768 CANGTGGAAAGCTACATATAGAGACGTGCTGCTACTCATCTAGCTGCTGCTGCTGCT 3709
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
269 gctctggcattgtacgcaagaagaacacacatctgcgctcccttgatgtgagac 328
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
3708 GCTATTATATATCATCATGAAAGCAAACTGTGTGCTTCAATGAGATGCTGCTGCTG 3649
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
329 gctcagaagaagctctgagctgagcaagcctgagccgacacatctgctgctgagac 388
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
3648 CACCAAGGAAATTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 3589
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389 acatgtcgaacatctacgagctcgaacatcgaacacgacagctgaagcagct 448
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
3588 ACATGTGATATATCTTACATGATTTTTCATGAGGACAGATTAAGCCCTTAAGGCAATT 3529
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
449 tgcggtcgaacacacatctacatctcgaagacgcgagctgctgctgctgctgctgctgct 508
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
3528 ATCCGCCAAGTACAAATTTTCTTCTGCAAGACAGAAATTTGCTGACATTTGTAATAC 3469
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```

```

Qy 509 ggttaagctgcaactctctccgagctgacgtaacgagtgagcgagatattacca 568
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3468 AGTCAAAATGCACTAGTCTGGGGGTGTATACAGATATACAGAAATGGCGACATTAACGA 3409
Qy 569 tgcacacggcgttcacacggcccggtgtatagccgggtctgaagaggtctgcaaatgyc 628
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3408 TGCACACGGGTGTGGGGCCAGGATATTGTAGCGGTTTGAAGCAGCGCGCAAGAAAGT 3349
Qy 629 ctcaacagaaacccaggggtctgctatgctgcaagctctctctcagggctcttggc 688
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Db 3348 AACAAAGAACCTAGAGCGCTTTTGTATGTAGCAAAATTTGATGCAAGAGCGCTCCCTATTC 3289
Qy 689 ggcggagaaactataccgagcgctgctgtgaaatggcgaagcttgaagaaactgtgct 748
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Db 3288 TACTGGAATAATACTAGAGGTACTGTGTACATTTGCCAAGAGCAAAAGATTTTGTAT 3229
Qy 749 cgggtctacgcagcagctgacataggggtggcgagagcgcttgcacacat 808
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Db 3228 CGGCTTTTATGCTCAAAAGACATGGGTGGAAGAGATGAAGTTACGATTTGATTTAT 3169
Qy 809 gaccccgagggtctgagcctgagcagaaagagagcgccctggcgagcagtaacgagct 868
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Db 3168 GACACCCGGGTGTGGGTATGATGACAAAGGAGAGCGCATTTGGGTCAACAGTATTAACCGT 3109
Qy 869 ggtatgagctgctcagcagcgtaaccgaltgctatgtgtgagagaggtctcttgacaa 928
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Db 3108 GGATGATGTGGTCTTACAGGATCTGACATTTATTTGTGAAGAGGACATATTTGCAAA 3049
Qy 929 ggaagagagaccccaaggtcgaaggttgccgctacagcagcgaggttggaggtctact 988
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3048 GGAAGAGATCTTAAGTGAAGGGTGAACGTTACAGAAACAGCGCTGGGAAGCATATTT 2989
Qy 989 ggcgcgtatggcgag 1004
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Db 2988 GAGAAGATCGGCGAG 2973

RESULT 14
US-08-815-520-1/c
; Sequence 1, Application US/08815520A
; Patent No. 6136569
; GENERAL INFORMATION:
; APPLICANT: Kevin Baker, Austin Gurney
; TITLE OF INVENTION: Method of Selection for Genes Encoding Secreted and
; FILE REFERENCE: P1058
; CURRENT APPLICATION NUMBER: US/08/815,520A
; CURRENT FILING DATE: 1997-02-27
; NUMBER OF SEQ ID NOS: 3
; SEQ ID NO 1
; LENGTH: 7633
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-7633
; OTHER INFORMATION: Amylase yeast expression plasmid
US-08-815-520-1

Query Match 25.84; Score 356; DB 3; Length 7633;
Best Local Similarity 65.58; Pred. No. 1,6e-96;
Matches 521; Conservative 0; Mismatches 275; Indels 0; Gaps 0;

Qy 209 catgtcaagaaactctacgcaagaaaggccaaagcacacaaatcgccagctgtgtagaa 268
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3768 CATGTCAAGAACTCATATATAAGAACTGCTGCTACTCATCTAGTCTCTGTGGTGCCTAA 3709
Qy 269 gctcttgcaatgacgagaaagaaacaaatctctgagctctcccttgatgagcgag 328
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3708 GCTATTATATCATGACGAAAGCAAAACAAACTGTGTGCTCATTTGATGATTCCTAC 3649
Qy 329 gctcagaagagctctgagcctagacagacgctgagacgcaactgtctgctgcaagac 388

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Db 3648 CACCAAGAAATTAAGTGAAGTGAAGCATTAAGTCCCAAAATTTGTTACTAAAAAC 3589
Qy 389 acatgtcgaatactatgacggaacttgacatcgagacgaagctaaagcgctgcaagact 448
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Db 3588 ACATGTGAATATCTTCAATATTTTCCATGAGAGGCGACGTTAAGCCGCTAAAGCATTT 3529
Qy 449 tgcggctaaacacaaactctgactcttcagagagcggaagctctctgacatctggcaac 508
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3528 ATCCGCAATACATATTTTACTCTTTCGAAAGACAGAAATTTGCTACATTTGTAATTC 3469
Qy 509 ggttaagctgcaactctctccgagctgctatcgctacgagcttggcgagatattacca 568
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3468 AGTCAAAATGCACTAGTCTGGGGGTGTATACAGATATACAGAAATGGCGACATTAACGA 3409
Qy 569 tgcacacggcgttcacacggcccggtgtatagccgggtctgaagaggtctgcaaatgyc 628
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3408 TGCACACGGGTGTGGGGCCAGGATATTGTAGCGGTTTGAAGCAGCGCGCAAGAAAGT 3349
Qy 629 ctcaacagaaacccaggggtctgctatgctgcaagctctctctcagggctcttggc 688
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3348 AACAAAGAACCTAGAGCGCTTTTGTATGTAGCAAAATTTGATGCAAGAGCGCTCCCTATTC 3289
Qy 689 ggcggagaaactataccgagcgctgctgtgaaatggcgaagcttgaagaaactgtgct 748
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Db 3288 TACTGGAATAATACTAGAGGTACTGTGTACATTTGCCAAGAGCAAAAGATTTTGTAT 3229
Qy 749 cgggtctacgcagcagctgacataggggtggcgagagcgcttgcacacat 808
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 3228 CGGCTTTTATGCTCAAAAGACATGGGTGGAAGAGATGAAGTTACGATTTGATTTAT 3169
Qy 809 gaccccgagggtctgagcctgagcagaaagagagcgccctggcgagcagtaacgagct 868
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Db 3168 GACACCCGGGTGTGGGTATGATGACAAAGGAGAGCGCATTTGGGTCAACAGTATTAACCGT 3109
Qy 869 ggtatgagctgctcagcagcgtaaccgaltgctatgtgtgagagaggtctcttgacaa 928
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Db 3108 GGATGATGTGGTCTTACAGGATCTGACATTTATTTGTGAAGAGGACATATTTGCAAA 3049
Qy 929 ggaagagagaccccaaggtcgaaggttgccgctacagcagcgaggttggaggtctact 988
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Db 3048 GGAAGAGATCTTAAGTGAAGGGTGAACGTTACAGAAACAGCGCTGGGAAGCATATTT 2989
Qy 989 ggcgcgtatggcgag 1004
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Db 2988 GAGAAGATCGGCGAG 2973

RESULT 15
US-09-273-163-1/c
; Sequence 1, Application US/09273163A
; Patent No. 6228590
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; TITLE OF INVENTION: Improved Method of Selection for Genes Encoding Secreted
; FILE REFERENCE: P1271R1
; CURRENT APPLICATION NUMBER: US/09/273,163A
; CURRENT FILING DATE: 1999-03-19
; EARLIER APPLICATION NUMBER: US 60/079,010
; EARLIER FILING DATE: 1998-03-23
; NUMBER OF SEQ ID NOS: 10
; SEQ ID NO 1
; LENGTH: 7633
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial Sequence
; LOCATION: 1-7633
; OTHER INFORMATION: /note=plasmid pSST-AMY.1
US-09-273-163-1

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Query Match 25.88; Score 356; DB 4; Length 7633;  
Best Local Similarity 65.35; Pred. No. 1, 6e-96;  
Matches 521; Conservative 0; Mismatches 275; Indels 0; Gaps 0;

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OY 209 caltcaacgaacacttaccgaaagggccacacatctgcagcttgctagaac 268
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3768 CATGTCGAAGACCTACATTAAGGAACGCTGCTACTCATCTAGTCTGTGCTGCCAA 3709
OY 269 gctctggacltgaatgcagaaagaaacacatctgcgctccttgatlgcgagc 328
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3708 GCTATTATATCATGCGAAAGCAACAACTTGCTGCTCATGATGTTCTGCTAC 3649
OY 329 gctcagaagctctctgagagcagcagcagcagcagcagcagcagcagcagc 388
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3648 CACCAAGGAATTTACTGGAGTTAGTTGAAGCATTAAGTCCCAAAATTTGTTACTAAAAC 3589
OY 389 acatgctgacactgacagcagcagcagcagcagcagcagcagcagcagcagc 448
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3588 ACATGTCGATATCTTGACTGATTTTTCATGAGGCGACACATTAAGCCGCTAAGGCATT 3529
OY 449 tgcgagcgaacacactcactgacatctcgaagagcagcagcagcagcagcagc 508
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3528 ATCGGCCAAGTACAAATTTTACTTTCGAGACAGAAATTTGCTGACATTTGTAATAC 3469
OY 509 ggtcaagctgacgactcctcgcgctgacgctgacgctgacgctgacgctgacg 566
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DB 3468 AGTCAAATTTGAGTACTTGGGGGTATACAGATAGCAGAAATGGGAGACATTACGAA 3409
OY 569 tgcacagggcgtccacggcccggtgagatagcagcagcagcagcagcagcagcagc 628
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3408 TGCACACGCTGTGCTGGGCTCCAGGATTTGTTAGCGGTTTGAAGCAGGCGCAGAGAAAGT 3349
OY 629 ctcaacaggaacccaggggtgtcgaatgctgagcagcagcagcagcagcagcagc 688
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3348 AACAAAGGAACCTAGAGGCTTTTGATGTAGCAGAAATTTGATGCAAGGGCTCCCTATC 3289
OY 689 ggcggagacactacacggcggtgctgagaaatgagcagcagcagcagcagcagcagc 748
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DB 3228 CGGCTTTATGCTCAAGAGACATGGGTGGAAGATGAAGTTACGATTGCTGATTAT 3169
OY 809 gaacccgggggtgagcctgagcagcagcagcagcagcagcagcagcagcagcagc 868
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OY 869 ggaatgagctgctcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 928
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DB 3108 GGATGATGTGCTCTACAGATCTGACATTAATTAATTTGTAAGAGGACTATTGCAAA 3049
OY 929 gggagagaccccaaggtcgaaggtgcccgcacacgacagcagcagcagcagcagcagc 988
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 3048 GGGAAAGGATGCTAAGTAAAGGGAAGCACTTACAGAAAGCAGGCTGGGAAGCATATTT 2989
OY 989 ggcgcgtatggcgag 1004
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DB 2988 GAGAAAGATCGGCCAG 2973
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